

Title (en)  
EXHAUST GAS RECIRCULATION METHODS AND APPARATUS FOR REDUCING NOX EMISSIONS FROM INTERNAL COMBUSTION ENGINES

Title (de)  
EGR-VERFAHREN UND VORRICHTUNG ZUR VERRINGERUNG DES NOX-AUSSTOSSES AUS BRENNKRAFTMASCHINEN

Title (fr)  
PROCEDES DE RECIRCULATION DE GAZ D'ECHAPPEMENT ET APPAREIL DESTINE A REDUIRE DES EMISSIONS DE NOX PROVENANT DE MOTEURS A COMBUSTION INTERNE

Publication  
**EP 1549841 A1 20050706 (EN)**

Application  
**EP 03753157 A 20031002**

Priority  
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Abstract (en)  
[origin: WO2004031557A1] Disclosed is a method of operating an internal combustion engine using exhaust gas recirculation(EGR) in combination with directly injected gaseous fuels that are burned within the engine in astratified combustion mode. An engine with EGR is used is disclosed that includes an injectoradapted to provide a high pressure quantity of fuel into a combustion chamber within a givenpressure range, at a given angle and through a nozzle hole size to help provide for EGR toleranceand, consequently, reduce emissions.

IPC 1-7  
**F02B 43/00**; **F02B 47/08**; **F02B 7/06**; **F02B 9/06**; **F02D 19/10**; **F02D 21/08**

IPC 8 full level  
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